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(54) Title: **DIAMOND BASED PROTON BEAM TARGET FOR USE IN CONTRABAND DETECTION SYSTEMS**

(57) Abstract: Diamond based proton beam target designs for use in contraband detection/identification systems. Such novel Dia-
mond based proton beam targets are used in Electrostatic and RF Accelerator based devices for generating proton beams that impinge
on the targets for generating single or multiple monoenergetic gamma ray beams used in detection/measurement of contraband.



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